

# Thursday mornings MRes project progress report

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Date Time: 14-May-2020 09:00

Location: MS Teams

People: James, Samraat, Emma, PokMan

## 1 Topics discussed

1. discrepancy between py3 scipy.odeint, R deSolve.ode & py3 SymPy

## 2 Consensus

1. investigate reasons of discrepancies between the three methods: numerical solver, mathematical bug, real alternative equilibria
2. check rate of change of ode system and equilibrium position at any given time, confirm same tracing pattern
3. plot analytical equilibrium position on any selected parameter sets with discrepancies showing differences between py3 odeint, SymPy & R